AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-51. (cancelled)

52. (currently amended) A stent comprising:

a plurality of circumferential bands containing a pattern of loops having members of a first width, each of the bands forming a single continuous generally sinusoidal band;

wherein the circumferential bands ~~containing a pattern of loops~~ comprise even ~~circumferential bands containing a pattern of loops,~~ and odd circumferential bands ~~containing a pattern of loops which~~ wherein the loops of each of the odd circumferential bands are out of phase with the loops of each of the even circumferential bands, an odd circumferential band occurring between every two even ~~first~~ circumferential bands; and

a plurality of loop containing flexible connectors having members of a second width narrower than the first width, connecting adjacent even and odd circumferential bands, such that the even and odd circumferential bands are exclusively connected by the flexible connectors, ~~and having members of a second width that is narrower than the first width~~,

the flexible connectors connecting even and odd circumferential bands at longitudinally offset loops;

~~the flexible connectors and even and odd circumferential bands~~ forming cells ~~having a non-uniform pattern of cells~~, wherein at least one cell is larger in size than other cells of the stent.

53. (cancelled)

54. (currently amended) A stent comprising:

a plurality of circumferential bands containing a pattern of loops and having members of a first width

~~wherein the circumferential bands containing a pattern of loops comprise even circumferential bands containing a pattern of loops; and odd circumferential bands containing a pattern of loops, an odd circumferential band occurring between every two even circumferential bands~~; the circumferential bands each forming single continuous sinusoidal bands;

a plurality of loop containing flexible ~~connectors connecting adjacent even and odd circumferential bands and~~ having members of a second width that is narrower than the first width, connecting adjacent circumferential bands at longitudinally offset loops;

~~said flexible connectors and even and odd circumferential bands form cells~~ wherein ~~even and odd~~ adjacent circumferential ~~members~~ bands are connected exclusively by said flexible connectors forming cells, and at least one of said cells is larger than other cells of the stent.

55. (previously presented) A stent comprising:

a plurality of first loop containing ~~section~~ sections, the first loop containing ~~section~~ sections arranged generally in the circumferential direction, the loops in said first loop containing ~~section~~ sections occurring at a first frequency, wherein the first loop containing sections form a plurality of bands, each band consisting of a single continuous sinusoidal band;

a plurality of second loop containing ~~section~~ sections, the second loop containing ~~section~~ sections arranged generally in the circumferential direction, the loops in said second loop containing ~~section~~ sections also occurring at said first frequency, wherein the second loop containing sections form a plurality of bands, each band consisting of a single continuous sinusoidal band; and

a plurality of third loop containing ~~section~~ sections, the loops in said third loop containing ~~section~~ sections occurring at a second frequency that is higher than said first frequency, the third loop containing ~~section~~ sections disposed in the generally circumferential space between said first and second loop containing sections such that each said first and second loop containing sections are joined together through the third loop containing section at longitudinally offset loops of said first and second loop containing sections without other connection directly between the first and second loop containing sections wherein the third loop containing section has a plurality of loops between connections to the first and second loop containing sections, wherein the third loop containing sections form a plurality of bands, at least one of said bands consisting of a single continuous sinusoidal band;

wherein the first, second and third loop containing sections have struts and the struts of the first and second loop containing sections are wider than the struts of the third loop containing section~~; the first and second loop containing sections each form single continuous sinusoidal bands; and the third loop containing sections form generally sinusoidal bands wherein at least one of said third loop containing sections forms a non-continuous band~~.

56. (canceled).

57. (currently amended) A non-uniform multicellular stent comprising:

a plurality of circumferential bands containing a pattern of loops having members at a first width;

wherein the circumferential bands ~~containing a pattern of loops~~ are comprised of even ~~circumferential bands containing a pattern of loops,~~ and odd circumferential bands containing a pattern of loops, wherein the loops of each odd circumferential band ~~which~~ are out of phase with the loops of ~~the~~ each even circumferential bands, an odd circumferential band occurring between every two even circumferential bands and the even and odd circumferential bands each form single continuous generally sinusoidal bands; and

a plurality of loop containing flexible connectors connecting adjacent even and odd circumferential bands, such that the even and odd circumferential bands are exclusively connected by the flexible connectors, wherein the flexible connectors

connect even and odd circumferential bands at longitudinally offset loops; said connectors having members of a second width that is narrower than the first width;

the flexible connectors and adjacent even and odd circumferential bands form cells, wherein a square cell is arranged amongst a plurality of triangular cells.

58. (previously presented) A stent according to claim 57 wherein the square cell is formed by two in phase flexible connectors connecting adjacent even and odd circumferential bands.

59. (previously presented) A stent according to claim 58 wherein one circumferential band forming the square cell has the same number of loops as the adjacent circumferential band in the same cell.

60. (previously presented) A stent according to claim 57 wherein the square cell is formed by two out of phase flexible connectors connecting adjacent even and odd circumferential bands.

61. (previously presented) A stent according to claim 60 wherein one circumferential band forming the square cell has more loops than the adjacent circumferential band in the same cell.

62. (previously presented) A stent according to claim 55 wherein the first, second and third loop containing sections form cells.

63. (previously presented) A stent according to claim 62 wherein at least one cell is larger than the other cells.

64. (new) A stent according to claim 52 wherein the cells have a non-uniform pattern of cells.